

- Ali Odeh, M. A.-S.-G. (2024). Analysis of Laminated Composite Plates: A Comprehensive Bibliometric Review. *MDPI* .
- Alireza Bahrami, A. V. (2021). Comparison of Cross-Laminated Timber and Reinforced Concrete Floors with Regard to Load-Bearing Properties. *Civil Engineering and Architecture*, 1395-1408.
- Anders Gustafsson. (2019). *The CLT Handbook* . Svenskt Trä: Skogsindustrierna.
- Areco, M. V. (2024, April 10). *INERA*. Diambil kembali dari <https://ineriamanagement.com/en/carbon-footprint-of-building-materials/>
- Cruz, M. M. (2013). SERVICEABILITY LIMIT STATES OF TIMBER FLOORS.
- J. Weckendorf, T. T. (2015). Vibration serviceability performance of timber floors. *CrossMark*, 353–367. doi:10.1007/s00107-015-0976-z
- Junhui Zhang, C. Z.-S. (2023). Cross-laminated timber (CLT) floor serviceability under multi-person loading: Impact of beam–panel connections. *Engineering Structures* .
- Liang, S., Gu, H., & Bergman. (2021). Environmental Life-Cycle Assessment and Life-Cycle Cost Analysis of a High-Rise Mass Timber Building: A Case Study in Pacific Northwestern United States. *MDPI* , 1-16.
- Lin J Hu, Y. H. (2001). Vibration serviceability of timber floors in residential construction . 228-237.
- Loren Ross, Sylvain Gagnon, Dr. Borjen Yeh, Dave Kretschmann, Lisa Podesto, Madeline Leroux, Odile Fleury, Marie-Claude Thibault. (2013). *U.S. Edition of the CLT Handbook*. Library and Archives Canada Cataloguing.
- Markus Wallner-Novak, M. A. (2018). *Cross-Laminated Timber Structural Design Volume 2*. Australia: proHolz Austria.
- Maureen Puettmann, P. A. (2019). LIFE CYCLE ENERGY AND ENVIRONMENTAL IMPACTS OF CROSS LAMINATED TIMBER MADE WITH COASTAL DOUGLAS-FIR. *Journal of Green Building*, 17-33.
- Michal Bošanský, M. T. (2025). Numerical Analysis of Cross-Laminated Timber Panels Under. *MDPI*, 1-18.
- Militia Keintjem, R. S. (2024). Embodied Carbon in Concrete: Insights from Indonesia and Comparative Analysis with UK and USA. *Engineering Technology and Applied Science Research*, 17737-17742. doi:<https://doi.org/10.48084/etasr.8781>
- Nađa Simović, I. G. (2023). Design of cross-laminated timber (CLT) floors for human-induced vibrations. *Building Materials and Structures*, 69-78.
- Patricia Hamm, A. R. (2010). Floor vibrations – new results. *World Conference on Timber Engineering 2010*.
- Prof. Ian Hamilton, D. S.-C. (2025). *Global Status Report for Buildings and Construction 2024/2025*. Paris: United Nations Environment Programme. doi:<https://doi.org/10.59117/20.500.11822/47214>
- Qian Wang, Z. W. (2024). Mechanical properties and probabilistic models of wood and engineered wood products: A review of green construction materials. *Elsevier*, 1-20.



**EVALUASI KENYAMANAN STRUKTUR PELAT LANTAI CROSS LAMINATED TIMBER (CLT)
BERBAHAN KAYU AKASIA
BERDASARKAN EUROCODE 5**

Oka Ayunda Kharmelya, Prof. Ir. Ali Awaludin, S.T., M.Eng., Ph.D., IPU., ACPE.

UNIVERSITAS
GADJAH MADA

Universitas Gadjah Mada, 2026 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Serge Abrate, M. D. (2017). Equivalent single layer theories for composite and sandwich structures: A review . *ELSEVIER*, 482–494.

Sung-Jun Pang, a. H.-J.-S.-K.-J. (2025). Fundamental Natural Frequency and Floor Impact Sound Insulation Performance of CLT Slabs Based on Wood Species and Panel Connections: An Experimental Study. *bioresources.cnr.ncsu.edu*, 100-120.

Thomas Furtmüller, C. A. (2023). A finite element for static and dynamic analyses of cross-laminated timber floors.

Widia Sri Utami, R. J. (2023). POTENCY CARBON STOCK AND CO2 ABSORPTION ACACIA MANGIUM IN BIODIVERSITY PARK PT TIRTA INVESTAMA, CISALAK, SUBANG. *Jurnal Rimba Lestari*, 74-82.

Wigo CLT. (2025). Diambil kembali dari WIGO Group: <https://wigo.info/cross-laminated-timber>